Mouse FLRG/Fstl3 (His Tag) recombinant protein

Catalog Number: 502277



General Information

Protein Construction

A DNA sequence encoding the mouse FLRG (NP_113557.1) (Met 1-Val 256) was fused with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

- 1. Measured by its binding ability in a functional ELISA. Immobilized mouse FLRG-His (Cat: 10591-M08H) at 10 μ g/ml (100 μ l/well) can bind biotinylated human INHBA-His (Cat: 10429-H08H) with a linear range of 6.25-50 ng/ml.
- 2. Measured by its binding ability in a functional ELISA. Immobilized mouse FLRG-His (Cat: 10591-M08H) at 10 μ g/ml (100 μ l/well) can bind biotinylated mouse INHBA-His (Cat: 500709) with a linear range of 6.25-50 ng/ml.
- 3. Measured by its ability to neutralize Activinmediated inhibition on MPC11 cell proliferation. The ED_{50} for this effect is typically 5-25 ng/mL in the presence of 10 ng/mL rhActivin A.

Purity

> 85 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70 $^{\circ}$ C

Predicted N terminal

Val 24

Molecular Mass

The secreted recombinant mouse FLRG generated after removal of the signal peptide comprises 244 amino acids with a predicted molecular mass of 26 kDa. As a result of glycosylation, it migrates as an approximately 35-40 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

Usage Guide

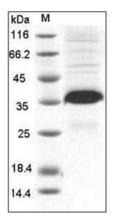
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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